WHAT IS CLAIMED IS:

1	1. A method comprising the steps of:
2	identifying an operating characteristic based on a number of commands queued in ar
3	instruction buffer; and
4	adjusting a system characteristic based on the operating characteristic, wherein a power
5	consumption is modified based on the system characteristic.
1	2. The method as in Claim 1, wherein the steps are performed through set of discrete components
1 1	3. The method as in Claim 1, wherein the commands queued in the command buffer, of the number
1 1 1 2	of commands, include instructions to be processed by a processor associated with the system
1	4. The method as in Claim 1, wherein the instructions include display instructions.
1 2	5. The method as in Claim 1, wherein the operating characteristic includes a number of pending operations.
1 2	6. The method as in Claim 1, wherein the operating characteristic includes fill rate associated with the instruction buffer.
1	7. The method as in Claim 1, wherein the operating characteristic includes a type of instructions in
2	the instruction buffer.
1	8. The method as in Claim 1, wherein the step of adjusting the system characteristic includes
2	altering the number of bits used to represent multimedia data.

changed to match a change in the nominal power.

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- 1 19. The method as in Claim 18, wherein the multimedia data includes video data.
- 1 20. The method as in Claim 18, wherein the multimedia data includes audio data.

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- 1 21. The method as in Claim 1, wherein the operating characteristic is based on buffer fullness.
- 1 22. The method as in Claim 21, wherein the step of adjusting the system characteristic includes 2 reducing a clock speed when the buffer fullness is less than a predetermined buffer fullness.
 - 23. The method as in Claim 21, wherein the step of adjusting the system characteristic includes reducing a maximum power provided to the system when the buffer fullness is less than a predetermined buffer fullness.
 - 24. The method as in Claim 21, wherein the step of adjusting the system characteristic includes reducing a number of bits to represent multimedia data when the buffer fullness is less than a predetermined buffer fullness.
- 25. The method as in Claim 21, wherein the step of adjusting the system characteristic includes increasing a clock speed when the buffer fullness is greater than a predetermined buffer fullness.
- 26. The method as in Claim 21, wherein the step of adjusting the system characteristic includes increasing a maximum power provided to the system when the buffer fullness is greater than a predetermined buffer fullness.

- 1 27. The method as in Claim 21, wherein the step of adjusting the system characteristic includes
- 2 increasing a number of bits to represent multimedia data when the buffer fullness is greater
- 3 than a predetermined buffer fullness.

- 1 36. The system as in Claim 28, wherein said buffer statistic includes a rate of change in a number of
- 2 pending instructions in said instruction buffer.
- 1 37. The system as in Claim 28, wherein said buffer statistic includes types of instructions in said
- 2 instruction buffer.